NEVADA CLIMATE SUMMARY

Office of the State Climatologist

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SYNOPSIS

MARCH 1994

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STATE I

March was an unusually mild month over all of the Silver State, with precipitation above normal in portions of East Central and South Central Nevada, as well as the southern tip of the State. In Reno it was the second warmest March in 106 years of record, with the 4th warmest March in 55 years of airport records at Las Vegas. March temperatures averaged in the top three warmest at Caliente, Austin, and Wells.

Over 1 & 1/2 times normal precipitation fell in the Honey Lake Valley, Gerlach and Pyramid Lake Areas north of Reno. with the same occurring in the southern portion of the State at Searchlight and Laughlin. The Esmeralda County area was equally as wet with 1 & 2/3 times normal at Tonopah and two times normal in Fish Lake Valley at Dyer.

Water Year precipitation (Oct. 1. 1993-Mar. 1. 1994) is only above normal in East Central Nevada, with 100-110% of normal at Lund. Ruth, and McGill. Great Basin National Park is the wettest in the State (compared to normal) with 120% of normal. Driest areas are in the Far West, with East Slope Sierra Nevada Watersheds in the 40-55% of normal category, most of the extreme north with 40-60% of normal. and part of the Extreme South where the totals are from 45-60% of normal from Pahrump to Las Vegas and Overton.

TEMPERATURE

March temperatures averaged from 2 & 1/2 degrees above normal in Southwestern Elko County to over 6 degrees above normal in part of Clark County. Most of the State was between 3 & 1/2 and 5 degrees above normal. Reno averaged 48.7 degrees (+6 degrees) for the 2nd warmest March since records began in 1888. In 1934 the average was 52.4, with 1993 in third place at 48.5. Several locations neared their all time March highs when the mercury soared into the 70's and 80's during a mid-month heat spell. At Minden the 82 degree reading tied the record that set in 1934. Records go back 88 years. Upper 80's were scored at the usual warm spots. For example, it was 89 at Amargosa Valley and Cottonwood Cove. and 88 at Overton. Rioville with 101 degrees in 1903 still leads the March "heat parade".

On the cool side, it wasn't very, with Boies Ranch and Ruth falling to even zeros the week after the mid-month heat spell.

Charleston at +2 and San Jacinto at +3 were just behind. Diamond Valley was over 30 degrees colder in March 1969.

PRECIPITATION

The wettest reporting locations were Lages with 1.50". 1.47" at Elgin, 1.42" at Sutcliffe, 1.36" at Virginia Foothills near Reno, and 1.31" at Montezuma Mine near Goldfield. At Wendel, Ca. near Honey Lake, long-time resident and Postmistress Florence Brandon had 1.23". On the dry side only .07" fell at Deeth and San Jacinto. There was also very little snowfall this month, with Reno for example having less winter snowfall only 3 times in the past 95 years. At other than high mountain areas, the heaviest snowfall was 9", at appropriately named, Snowball Ranch, south of Eureka and Manhattan, and 8" at Jarbidge.

SUNSHINE, WIND & EVAPORATION

Sunshine hours were well above normal during this mild month, with 89% of the possible hours at Ely and Las Vegas, with normals of 70% and 83%, respectively. Reno had 80%, well above the usual 62%.

Wind speed averages were near normal Statewide, with no very strong winds being reported. Peak gusts reached 50-60 mph in Clark County and the lower Eastern Slopes of the Sierra Nevada at mid-month.

Pan evaporation was well above normal during March at the few locations that were ice-free. Pahrump had 7.24", Fallon 5.52" (4.60" is normal). Honey Lake Fleming Fish & Game 4.38" (3.56" is normal), and Boulder City 10.32" (normal is 7.02"). The latter figure is the greatest evaporation for March since recording began at Boulder City in 1935.

John W. James State Climatologist

NOTE: The attached maps of the Las Vegas and Reno areas. locating approximately 150 climate data gathering points, are supplements to the nearly 200 locations already shown on the Nevada Climate Stations Map. Data from these stations is collected by various groups, including the National Weather Service, Clark County Regional Flood Control District, and the State Climate Office.

The total of almost 350 climate data locations is by no means the final total for Nevada. In addition, there are between 60 & 100 measurement points in the Nevada Test Site north of Las Vegas, and several climate stations in the Carson City Area.

If you would like information regarding any of the climate stations, please contact the State Climate Office.

This month we continue our salute to Nevada's volunteer weather observers with Lincoln, Lyon, and Mineral counties:

LINCOLN

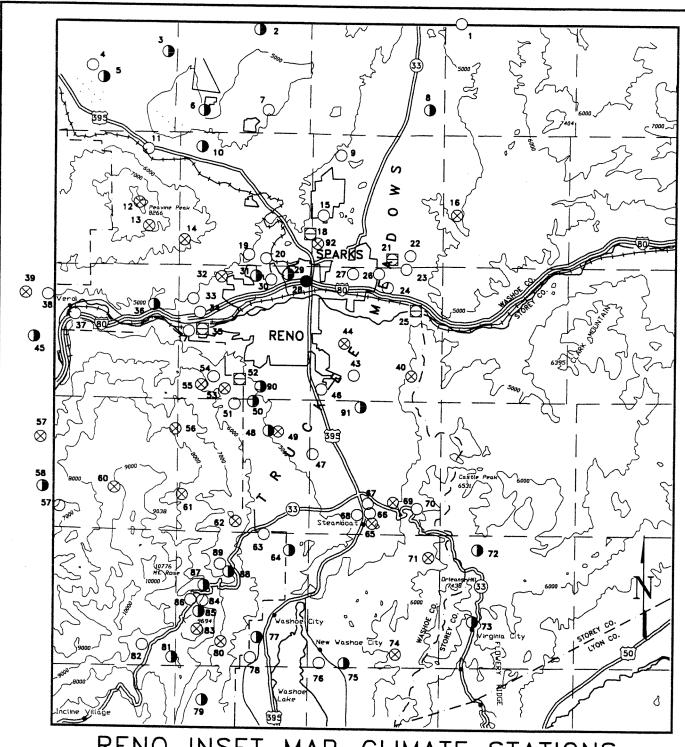
Hiko - Becki Mackintosh
Pahranagat Wildlife Refuge - U.S. Fish and Wildlife
Elgin - Don L. Bradshaw
Caliente - U.S. Soil Conservation Service
Pioche - Marion E. Griffith/William "Bill" Orr
Spring Valley State Park - Howard Woods/Nevada State Parks
Lake Valley Steward - Dennis Walkington
Pioche Lister Ranch - Ruby Lister

LYON

Dayton - Dale Firebaugh Yerington - Doty Newell/Lyon County Sherrifs Dept. Smith - Wyatt J. Owens Wellington - John Weaver Wabuska - Nevada Fish and Game

MINERAL

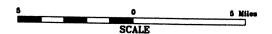
Hawthorne - Sue Richardson/Vern Poe Mina - Eugene S. Gates Nine Mile Ranch - Laurie Bonnet Montgomery Pass - NDOT Candelaria Mine - Larry Mayne Walker Lake - Jim Tilley



RENO INSET MAP-CLIMATE STATIONS

- O PRECIPITATION
- PRECIPITATION, TEMPERATURE
- PRECIPITATION, TEMPERATURE, EVAPORATION
- ⊗ PRECIPITATION, TEMPERATURE, WIND, HUMIDITY
- ☐ AIR POLLUTION SAMPLING

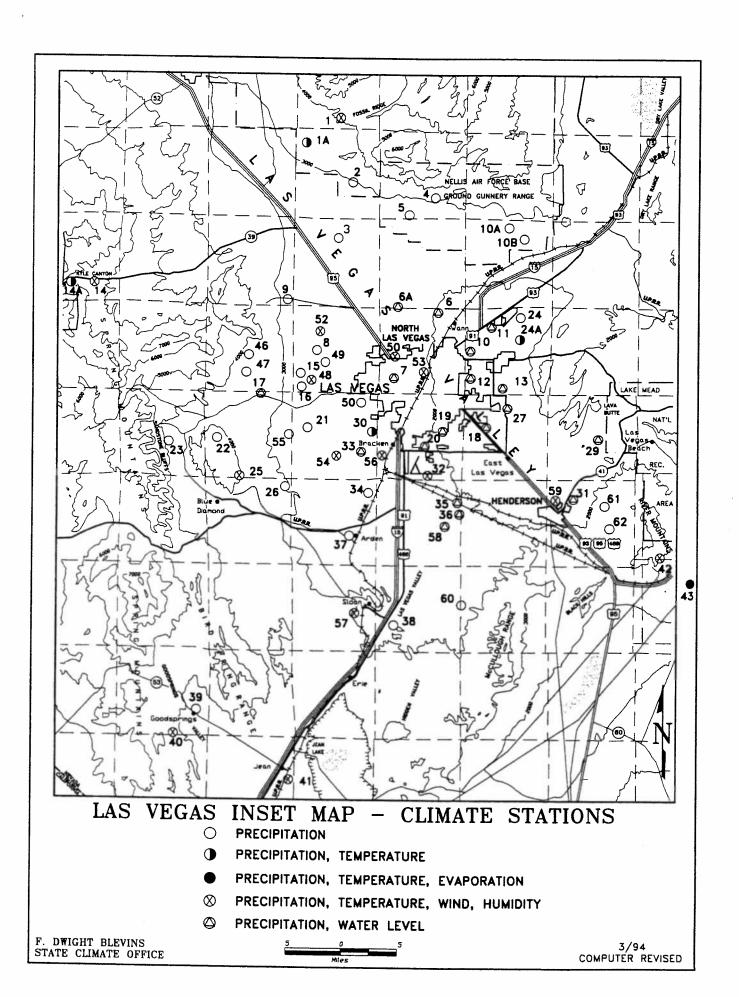
STATE CLIMATE OFFICE F. DWIGHT BLEVINS



2\94 COMPUTER REVISED

RENO -- REGIONAL CLIMATE STATIONS

	77. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.		
1	PALOMINO VALLEY	53	UPPER SKYLINE
2	LEMMON VALLEY	54	SW RENO GANGED
3	RED ROCK BORVS	55	ATTIME COMME
ā	COLD SERVICE WALKER	J.J.	ALUM CREEK
	COLD SPRINGS HAUVER	20	HUNTER CANYON
5	COLD SPRINGS CRUZ	57	FARAD
6	STEAD DRI	58	FLORISTON
7	LEMMON VALLEY FULLER	59	LOWER BRONCO CREEK
8	SPANISH SPRINGS FIRE STATION	60	LIBBER BRONCO CREEK
ă	UINCOV VILLEY	00	OPPER BRONCO CREEK
10	HONGRY VALLEY	61	THOMAS CREEK UPPER
10	STEAD FIRE DEPT.	62	WHITES CREEK LOWER
11	PEAVINE ANDERSON ACRES	63	RENO ANDREWS
12	PEAVINE PEAK-DDI	64	CALLAMAN DANCE
13	PEAULIE MOCHT	65	CALLADAN KANCA
1.4	DEPAIRE MODUL	65	SIEAMBOAT AT RHODES RD.
1-4	PEAVINE CREEK	66	RENO SOILEAU
15	SUN VALLEY HOLMES	67	RENO HARMER
16	N.E. SPARKS (CANOE HILL)	68	STEAMBOAT SHOPT IN
17	RENO MAVEFERY PAGE	69	VIDGINIA FOOTHILLS
18	DENO DEL DAMETALE	70	AIRGINIA FOOTUILLE
10	RENO DRI-DANDINI	70	GEIGER GRADE
19	RALEIGH HEIGHTS	71	BAILEY CREEK
20	RENO N.W. PITTER	72	VIRGINIA HIGHLANDS SMITH
21	SPARKS SHADOW MOUNTAIN PARK	73	VIRGINIA CITY
22	SPARKS FYLINE	74	TIMPO CRADE
23	SDYDAG ETCOME	75	WAGUE HADE
2.3	SPARKS FISCHER	/3	WASHUE VALLEY SIMONCINI
24	PALOMINO VALLEY LEMMON VALLEY RED ROCK BORYS COLD SPRINGS HAUVER COLD SPRINGS CRUZ STEAD DRI LEMMON VALLEY FULLER SPANISH SPRINGS FIRE STATION HUNGRY VALLEY STEAD FIRE DEPT. PEAVINE ANDERSON ACRES PEAVINE PEAK-DRI PEAVINE MOGUL PEAVINE CREEK SUN VALLEY HOLMES N.E. SPARKS (CANOE HILL) RENO MAYBERRY PAGE RENO DRI-DANDINI RALEIGH HEIGHTS RENO N.W. PITTER SPARKS SHADOW MOUNTAIN PARK SPARKS EXLINE SPARKS EXLINE SPARKS CIVIL AIR PATROL SPARKS CIVIL AIR PATROL SPARKS KELLEY N.E. RENO RENO UNR EVAPORATION RENO UNR RANCHO SAN RAFAEL N.W. RENO RENO CHAI RENO CHAI RENO DRAGON	76	WASHOE VALLEY
25	SPARKS CIVIL AIR PATROL	77	WASHOE VALLEY-DAVIS CREEK PARK
26	SPARKS KELLEY	78	WASHOE VALLEY-BOWERS MANSTON
27	N E RENO	79	LITTIE VALLEY
28	DENO IND DUADODATE	an	ODUID ODDOX
20	RENO ONE EVAPORATION	00	OFFIR CREEK
29	RENO UNR	91	TAHOE MEADOWS
30	RANCHO SAN RAFAEL	82	THIRD CREEK
31	N.W. RENO	83	DRI-SLIDE MTN
32	RENO ASHRY	84	MT. ROSE Y-MAS TREE
3 3	RENO CHAI RENO DRAGON	85	MT DOSE OUT
34	DENO DESCOR	0.5	MI. ROSE SKI
34	RENO DRAGON	00	MI. RUSE
35	RENO CHAI RENO DRAGON RENO MAYBERRY PARK (HEALTH DEPT.) MOGUL	8/	GALENA CREEK PARK
36	MOGUL	88	GALENA FIRE STATION
37	MOGUL VERDI WIDMER DOG VALLEY SUMMIT S.G. BEACON PEAK HIDDEN VALLEY	89	GALENA CREEK
38	DOG VALLEY SUMMETT S. C.	90	DRY CREEK
30	BEACON DEAK	01	HIEFAVED UTT 1 G
40	DEACON PEAK	0.2	DOT MALE HILLS
40	HIDDEN VALLEY	92	DRI MAXIE BLDG.
43	RENO OSTERMAN		
44	RENO NWS		
45	VERDI PEAK		
46	RENO-SOUTH		
47	DENO OUTTO		
	RENO CYLKE		
48	FROST RANCH		•
49	HILLTOP PARK		
5 0	EVANS CREEK		
51	SW RENO SHAD		
52	SKYLINE		
J 2	OKITIME		



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FOSSIL RIDGE (4014)
 1A DESERT NATIONAL WILDLIFE REFUGE
      CASTLE FORK (4044)
     TULE SPRINGS (4049)
NORTH VALLEY 2 (4039)
NORTH VALLEY 1 (4034)
     LAS VEGAS WASH CRAIG ROAD (4069)
 6A GOWAN CHANNEL (4059)
    LAS VEGAS CREEK DETENTION BASIN (4264)
     SMOKE RANCH AND BUFFALO (4234)
 Q 
     LONE MOUNTAIN ROAD, NEAR HULAPAI WAY (4054)
      LAS VEGAS WASH LAKE MEAD BLVD. (4074)
 10
 10A WEST RANGE WASH 2 (4134)
 10B WEST RANGE WASH 1 (4124)
 11 SLOAN CHANNEL LAS VEGAS BLVD. (4114)
 12 LAS VEGAS CREEK AT LAMB BLVD. (4284)
 13 SLOAN CHANNEL CHARLESTON BLVD. (4174)
 14 KYLE CANYON
14A KYLE CANYON (USFS)
 15 ANGEL PARK WEST (4224)
 16 CHARLESTON AND EL CAPITAN (4229)
 RED ROCK DETENTION BASIN (4344)
FLAMINGO WASH NELLIS BLVD. (4394)
 19 FLAMINGO WASH EASTERN AVE. (4374)
20 TROPICANA WASH GARRIER
      TROPICANA WASH SWENSON AVE. (4484)
      THE LAKES (4359)
 21
    BLUE DIAMOND RIDGE NORTH (4314)
    RED ROCK CANYON (4324)
 23
24 NELLIS AFB NORTH (4104)
24A NELLIS AFB SOUTH (4109)
    BLUE DIAMOND RIDGE SOUTH (4304)
 25
    UPPER FLAMINGO WASH (4334)
 26
     LAS VEGAS WASH SAHARA AVE. (4084)
 27
    NORTH LAS VEGAS FIRE DEPT.
28
29
    LAS VEGAS WASH 3-KIDS WASH (4094)
30
    SPRING VALLEY JAMES
31
     C-1 CHANNEL WARM SPRINGS ROAD (4784)
32
    MCCARRAN INT'L AIRPORT
33
    FLAMINGO WASH TORREY PINES (4364)
34 . WARM SPRINGS JONES (4454).
     DUCK CREEK EASTERN AVE. (4634)
35
36
     PITTMAN WASH WIGWAM AVE. (4734)
     ARDEN (4614)
37
38
     SLOAN AT I-15 (4704)
     GOODSPRINGS 2 (4934)
39
40
     GOODSPRINGS 1 (4924)
41
     JEAN (4954)
42
     BOULDER CITY (4854)
43
     BOULDER CITY (USBR)
44
     SPRING MOUNTAIN STATE PARK
45
     MOUNTAIN SPRINGS SUMMIT
46
     SUMMERLIN WEST (4204)
47
     SUMMERLIN NORTHWEST (4209)
48
    SUMMERLIN PARKWAY (4214)
49
    ANGEL PARK DETENTION BASIN (4219)
    CAREY LAKE MEAD DETENTION BASIN (4219)
50
51
    RAINBOW AND OAKEY (4244)
    GOWAN DETENTION BASIN (4254)
FLOOD CONTROL DISTRICT OFFICE (4274)
52
53
    UPPER FLAMINGO DETENTION BASIN (4319)
54
55
    SUMMERLIN SW (4354)
56
    FLAMINGO WASH AT DECATUR (4369)
    DESERT TORTISE CENTER (4604)
57
58
    DUCK CREEK AT PARADISE (4624)
59
     TIMET HENDERSON (4774)
    SOUTH HENDERSON (4744)
60
61
    EAST HENDERSON 1 (4784)
    EAST HENDERSON 2 4789)
62
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PERCENT OF NORMAL PRECIPITATION NEVADA **MARCH 1994** 120 S-CLIMATE STATIONS 114 42 ODenio Jackpot San Jacinto Contact 엉 Bidwell 25 River Valley اٍ کٍ۷۷۵ Mountain Cit HUMBOLDT Orovada **O** Charleston 2 0 C Gibbs Tailings Po O Porodise Valle 8 Cre Φ Chimney Q Desert Volley Sleeper Mine 0 6 Creek & Sonto Fe Bare Ronch O_{Tuscorora} **ELKO** NONTHWESTERN Φ, Metropolis O 100 Hualapa Winnemucca 1000 Arthur 4 NW Creek O Lamoille Yost O Ruby Valley Jiggs Zaga Rye Petch Dom Battle Mountain WASHOE PER. HING 0 11 Honey Loke Fleming **©** 12 Paris Ronch O Currie Hwy Stn Ruby Lake Lovelock FAA AP 1000 LANDER EUREKA Θ Cherry Red Rock Vo Anteiope Forr Beowowe Creek ♀ odsworth 4N ORTHEASTERN URCHILL WHITE PINE Verdi Peol ion Exp Stn Fallon NAS anton Darm Middlegate Lawy O North Spring Valley See inset 210 **⇔_{McGill}** Lake 100 ☻ Q Carron Ruth Snowboll Ranch Reese River O'Toole
QTurk Ronch
28 Corvers Station
Q Gobbs Smokey Valley ₾ 20 Great Basin Nat'l Park → Beimont Blue Eogle Honks 오 보 Manhattan 047 H8-SOUTH CENTRAL ake Valley Sleward 50-MINERAL | Spring Volley St P Tono Twin Springs Fallini 38 38 Montgomen Poss O Pioche Penoyer Valley Goldfield MYE O Coliente Q Montezumo LINCOL ⇎ 0 Lida Pahranagat WL Refuge Od Po Elgin STATION LEGEND EXTREME SOUTHERN O Precipitation - non recording Amargosa Forms Garey Bunkerville O Precipitation - recording **⊕**I CLARK Overton Precipitation & Temperature Overto Ash Meod Precipitation, Temperature & Evaparation Echo Boy Φ^{25} Storage Gage (see supplemental sheet) Special Network Callville Bo Designates Storage Gage Groupings Q State Climate Office Station (Others - Nat'l Weather Service) Boulder City Double circle combinations indicate the availibility of more detailed meteorlogical data 100 Cottonwood Cove F. DWIGHT BLEWNS STATE CLIMATE OFFICE 1/94 REVISED COMPUTER EDITED D Loughlin MILES



WATER YEAR 1994 NEVADA OCT 1, 1993 - MAR 1, 1994 120 CLIMATE STATIONS 42 **⇔**Denio Dulurrena Bidwell Kings River Valley ^اک ۱ Mountain Ci HUMBOLDT **♀** Chorleston Wildhors Ronch Tailing Pond O Paradise Vall Leonard Creek Ranch 0 Ronch Q Ø 6 Chimney ELKO O_{Tuscaror} Bare Ranch **NORTHWESTER** lo 1 SE Gerlach Hualapai ⊕ 2 O Clover Volley Imiay 1000 Arthur 4 NW Emigrant Pass Hwy Stn Smoke Creek Espil Lamaille Yost Q Ruby Valley gs Zaga Rye Patch Dom 💠 殳 Unionville Bottle PERSHING WASHOE 15 O **D** 12 Honey Lake Fleming Poris Ronch Pine O Pyramid Lake urrie Hwy Stn Volley Boiley ♦ Rub Lovelock FAA AP LANDER **EUREKA** - 40 Antelope Valley Creek 9 Beowawe U of N Ranch Red Rock Volley NORTHEASTED Diamond Valley CHURCHILL WHITE PINE Verdi Peak Austin P North Spring Valley & Follon See Inset 210 Eureka **⇔**McGill Lake Taho Ely WSO 120 Kingston Reese River O'Toole QTurk Ranch Carvers Station , gD Φ Great Bosin Not'l Pork Smokey Valley Ф Beimont Q ¥ Monhollon Blue Howthorns 100 SOUTH CENTRAL Loke Valley Steward Ó IINERAL Spring Valley St Pi Tanap 8038 Twin Springs Fallini 20 Tonopo 38 ESMERALDA Montgome: Poss Penayer Valley Goldfield 0 ◆ Caliente NYE Mine Hiko LINCOLN Lida Elgin 3SE O I STATION LEGEND Beatly 8N EXTREME SOUTHERN O Precipitation - non recording Amargosa Forms Garey Precipitation - recording CLARK Desert O Precipitation & Temperature Rock WSMO Desert Not'l Q Precipitation, Temperature & Evaporation Φ²⁶ Storage Gage (see supplemental sheet) Special Network Designates Storage Gage Groupings Boulder Beach - 35 Q State Climate Office Station (Others - Nat'l Weather Service) Boulder City Double circle combinations indicate the availability of more detailed meteorlogical data rchlight Cattonwood Cove 80 F. DWIGHT BLEVINS STATE CLIMATE OFFICE 1/94 REVISED COMPUTER EDITED Loughlin MILES